

Figure 1A

>1730294	GACGCCCAGT	GACCTGCCGA	GGTCGGCAGC	ACAGAGCTCT	GGAGATGAAG
>1730294IH	GACGCCCAGT	GACCTGCCGA	GGTCGGCAGC	ACAGAGCTCT	GGAGATGAAG
Consensus	GACGCCCAGT	GACCTGCCGA	GGTCGGCAGC	ACAGAGCTCT	GGAGATGAAG
>1730294	ACCCTGTTCC	TGGGTGTCAC	GCTCGGCCTG	GCCGCTGCCC	TGTCCTTCAC
>1730294IH	ACCCTGTTCC	TGGGTGTCAC	GCTCGGCCTG	GCCGCTGCCC	TGTCCTTCAC
Consensus	ACCCTGTTCC	TGGGTGTCAC	GCTCGGCCTG	GCCGCTGCCC	TGTCCTTCAC
>1730294	CCTGGAGGAG	GAGGATATCA	CAGGGACCTG	GTACGTGAAG	GCCATGGTGG
>1730294IH	CCTGGAGGAG	GAGGATATCA	CAGGGACCTG	GTACGTGAAG	GCCATGGTGG
>1213903		GGATATCA	CAGGGACCTG	GTACGTGAAG	GCCATGGTGG
Consensus	CCTGGAGGAG	GAGGATATCA	CAGGGACCTG	GTACGTGAAG	GCCATGGTGG
>1730294	TCGATAAGGA	CTTTCCGGAG	GACAGGAGGC	CCAGGAAGGT	GTCCCCAGTG
>1730294IH	TCGATAAGGA	CTTTCCGGAG	GACAGGAGGC	CCAGGAAGGT	GTCCCCAGTG
>1213903	TCGATAAGGA	CTTTCCGGAG	GACAGGAGGC	CCAGGAAGGT	GTCCCCAGTG
Consensus	TCGATAAGGA	CTTTCCGGAG	GACAGGAGGC	CCAGGAAGGT	GTCCCCAGTG
>1730294	AAGGTGACAG	CCCTGGGCGG	TGGGAAGTTG	GAAGCC	
>1730294IH	AAGGTGACAG	CCCTGGGCGG	TGGGAAGTTG	GAAGCCACGT	TCACCTTCAT
>1213903	AAGGTGACAG	CCCTGGGCGG	TGGGAAGTTG	GAAGCCACGT	TCACCTTCAT
Consensus	AAGGTGACAG	CCCTGGGCGG	TGGGAAGTTG	GAAGCCACGT	TCACCTTCAT
>1730294IH	GAGGGAGGAT	CGGTGCATCC	AGAAGAAAAT	CCTGATGCGG	AAGACGGAGG
>1213903	GAGGGAGGAT	CGGTGCATCC	AGAAGAAAAT	CCTGATGCGG	AAGACGGAGG
Consensus	GAGGGAGGAT	CGGTGCATCC	AGAAGAAAAT	CCTGATGCGG	AAGACGGAGG
>1730294IH	AGCCTGGCAA	ATACAGCGCC	TATGGGGGCA	GGAAGCTCAT	GTACCTGCAG
>1213903	AGCCTGGCAA	ATACAGCGCC	TATGGGGGCA	GGAAGCTCAT	GTACCTGCAG
Consensus	AGCCTGGCAA	ATACAGCGCC	TATGGGGGCA	GGAAGCTCAT	GTACCTGCAG
>1730294IH	GAGCTGCCCA	GGAGGGACCA	CTACATCTTT	TACTGCAAAG	ACCAGCACCA
>1213903	GAGCTGTC				
<g2185139	CTGCCCA	GGAGGGACCA	CTACATCTTT	TACTGCAAAG	ACCAGCACCA
Consensus	GAGCTGCCCA	GGAGGGACCA	CTACATCTTT	TACTGCAAAG	ACCAGCACCA
>1730294IH	TGGGGGCCTG	CTCCACATGG	GAAAGCTTGT	GGGTAGGAAT	TCTGATACCA
<g2185139	TGGGGGCCTG	CTCCACATGG	GAAAGCTTGT	GGGTAGGAAT	TCTGATACCA
Consensus	TGGGGGCCTG	CTCCACATGG	GAAAGCTTGT	GGGTAGGAAT	TCTGATACCA
>1730294IH	ACCGGGAGGC	CCTGGAAGAA	TTTAAGAAAT	TGGTGCAGCG	CAAGGGACTC
<g2185139	ACCGGGAGGC	CCTGGAAGAA	TTTAAGAAAT	TGGTGCAGCG	CAAGGGACTC
Consensus	ACCGGGAGGC	CCTGGAAGAA	TTTAAGAAAT	TGGTGCAGCG	CAAGGGACTC
>1730294IH	TCGGAGGAGG	ACATTTTCAC	GCCCCCTGCAG	ACGGGAAGCT	GCGTTCCCGA
<g2185139	TCGGAGGAGG	ACATTTTCAC	GCCCCCTGCAG	ACGGGAAGCT	GCGTTCCCGA
Consensus	TCGGAGGAGG	ACATTTTCAC	GCCCCCTGCAG	ACGGGAAGCT	GCGTTCCCGA

Figure 1B

>1730294IH	ACACTAGGCA	GCCCCCGGGT	CTGCACCTCC	AGAGCCCACC	CTACCACCAG
<g2185139	ACACTAGGCA	GCCCCCGGGT	CTGCACCTCC	AGAGCCCACC	CTACCACCAG
Consensus	ACACTAGGCA	GCCCCCGGGT	CTGCACCTCC	AGAGCCCACC	CTACCACCAG
>1730294IH	ACACAGAGCC	CGGACCACCT	GGACCTACCC	TCCAGCCATG	ACCCTTCCCT
<g2185139	ACACAGAGCC	CGGACCACCT	GGACCTACCC	TCCAGCCATG	ACCCTTCCCT
Consensus	ACACAGAGCC	CGGACCACCT	GGACCTACCC	TCCAGCCATG	ACCCTTCCCT
>1730294IH	GCTCCCACCC	ACCTGACTCC	AAATAAAGTC	CTTCTCCCCC	CA
<g2185139	GCTCCCACCC	ACCTGACTCC	AAATAAAGTC	CTTCTCCCCC	
Consensus	GCTCCCACCC	ACCTGACTCC	AAATAAAGTC	CTTCTCCCCC	CA

Figure 2

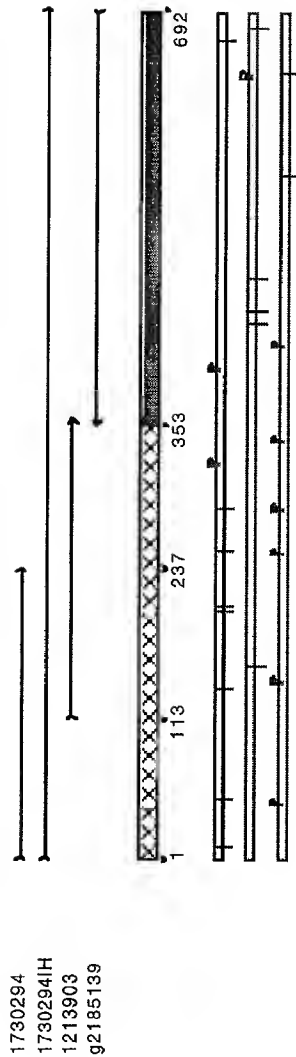


Figure 3A

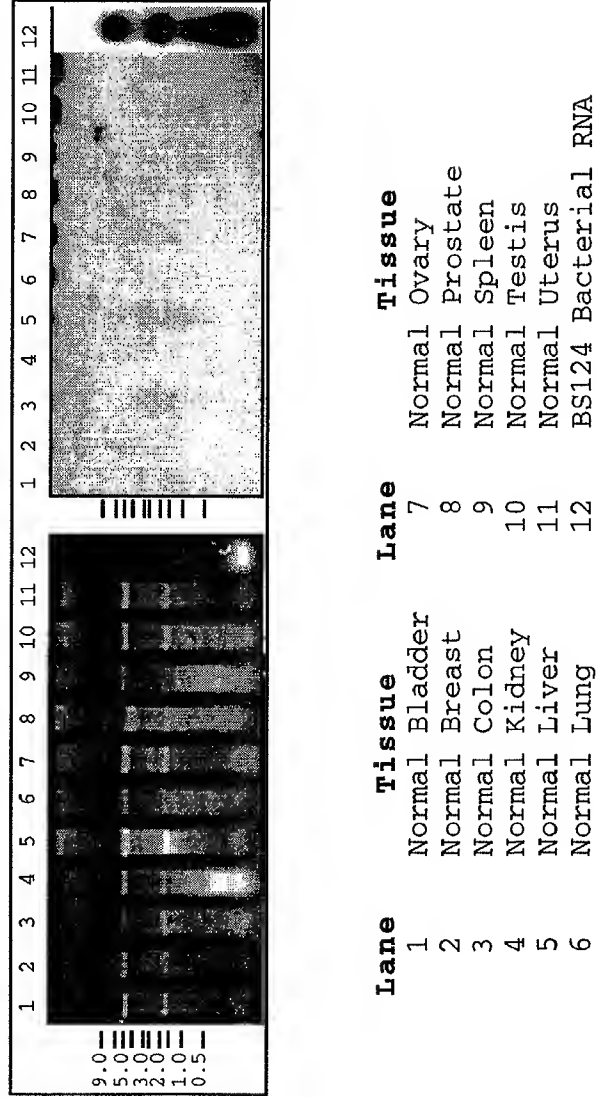
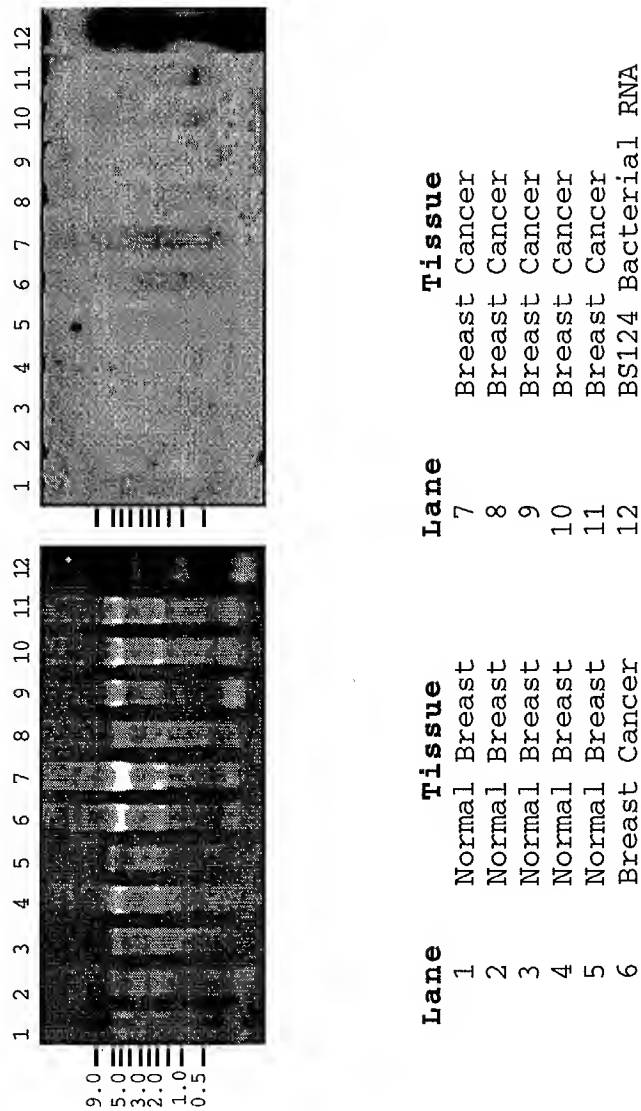


Figure 3B



	1	2	3	4	5	6	7	8	9	10	11	12
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	1	2	3	4	5	6	7	8	9	10	11	12
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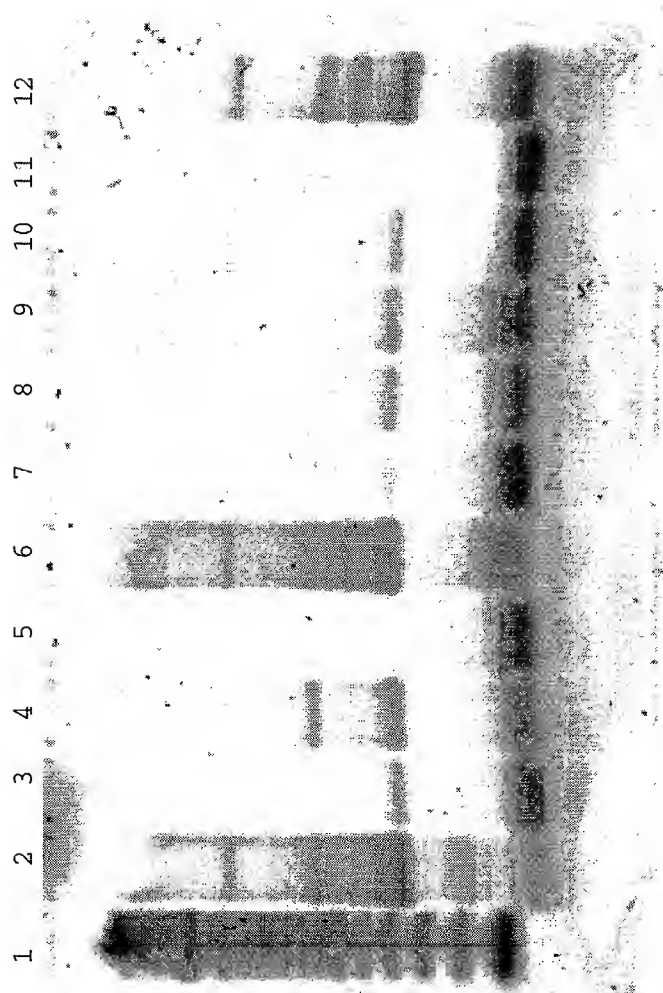
Lane	Tissue	Lane	Tissue
1	100 bp DNA Marker	7	Normal Breast
2	Placental DNA	8	Breast Cancer
3	Normal Breast	9	Breast Cancer
4	Normal Breast	10	Breast Cancer
5	Normal Breast	11	Breast Cancer
6	Normal Breast	12	Breast Cancer

354739 6 354739 6

Figure 4B

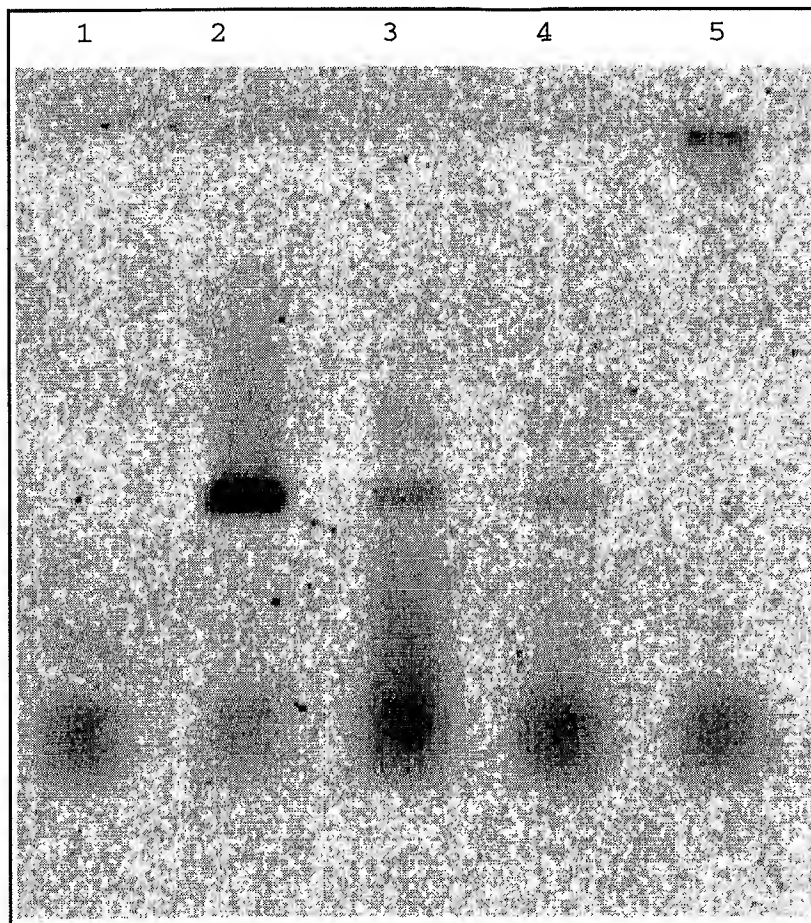
1 2 3 4 5 6 7 8 9 10 11 12

500bp
400bp
300bp
200bp
100bp



Lane	Tissue	Lane	Tissue
1	100 bp DNA Marker	7	Lung Cancer
2	Placental DNA	8	Normal Colon
3	Normal Lung	9	Colon Cancer
4	Normal Lung	10	Colon Cancer
5	Lung Cancer	11	Normal Colon
6	Normal Lung	12	Colon Cancer

Figure 5A



Lane	Sample
1	Water, reagent control
2	Transcript RNA
3	T47D RNA (neat)
4	T47D RNA (diluted 1:10)
5	Human Placenta DNA

Figure 5B

LCx® Results in counts/sec/sec

BS124 Transcript
at 40 cycles

T-47D Cell Line
at 45 cycles

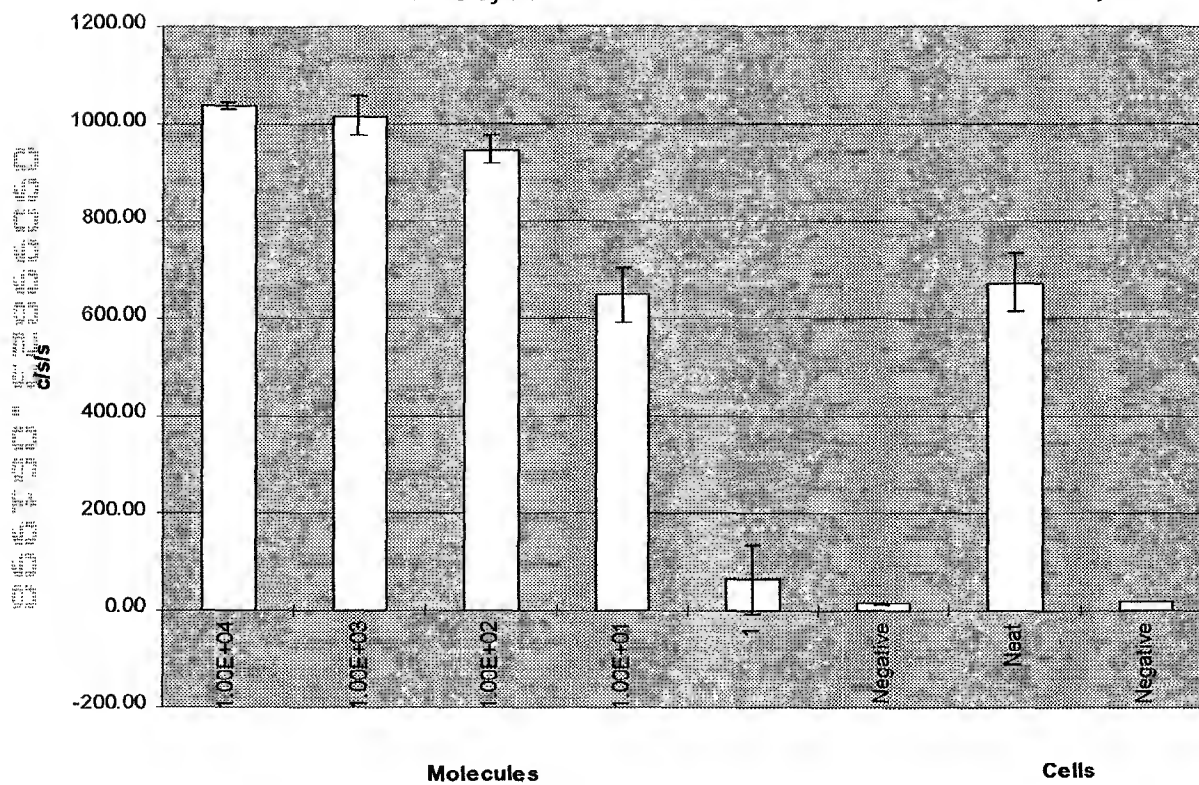
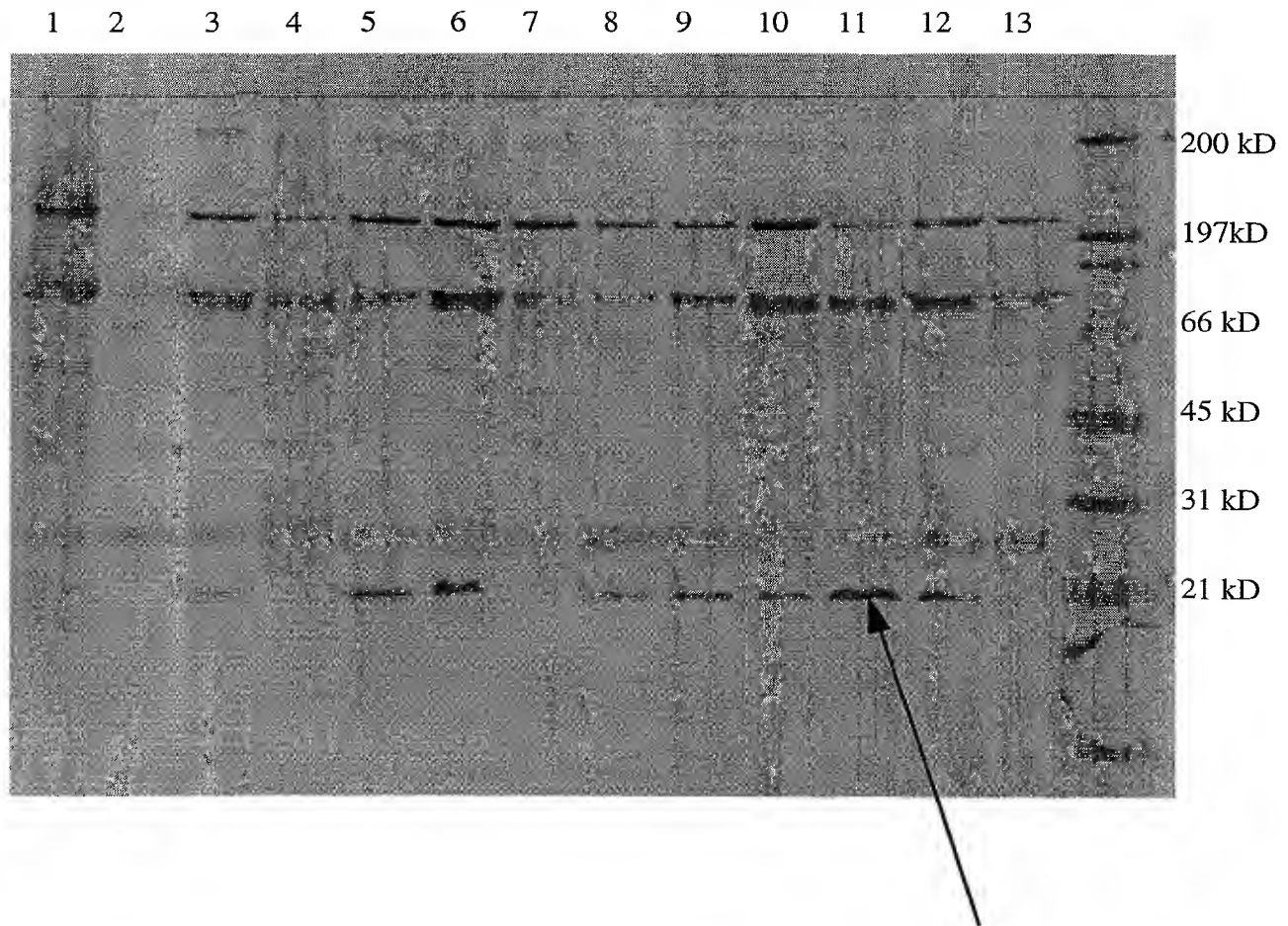
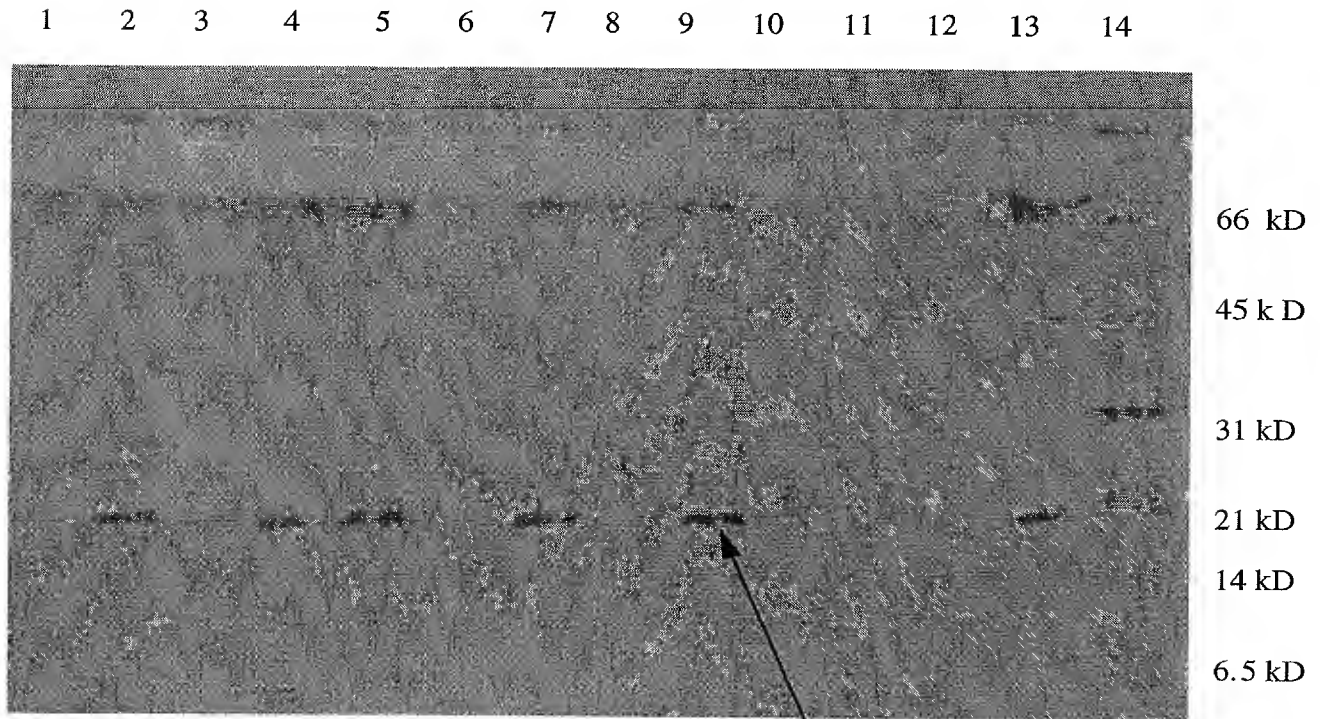


Figure 6A



Lane	Tissue	Lane	Tissue
1	Normal Kidney	8	Breast Cancer
2	Normal Bladder	9	Breast Cancer
3	Colon Cancer	10	Breast Cancer
4	Normal Lung	11	Breast Cancer
5	Breast Cancer	12	Breast Cancer
6	Breast Cancer	13	Breast Cancer
7	Breast Cancer	14	Markers

Figure 6B



Lane	Tissue
1	BPH
2	Prostate Cancer
3	Lung Cancer
4	Normal Colon
5	Colon Cancer
6	Normal Bladder
7	Bladder Cancer

Lane	Tissue
8	Normal Bladder
9	Bladder Cancer
10	Normal Breast
11	Normal Breast
12	Normal Breast
13	Breast Cancer
14	Markers